

JUN 19 2014



HRS Co.,Ltd.

**510(k) SUMMARY****Submitter:**

HRS CO., LTD.

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Official Correspondent: Choi, Jae-Hyuen

Date Summary Prepared: OCT 2013

Trade Name: Sildent

Common Name: Dental Impression Material

Classification Name: Dental Impression Material(21 CFR § 872.3660)

Product Code: ELW

**Devices for which substantial equivalence is claimed:**

Device Name	FLEXTIME	IMPRINT VINYL POLYSILOXANE IMPRESSION MATERIAL
510(k) Number	K000629	K882690

**Device Description**

The Sildent is a vinyl polysiloxane silicone impression material used for all inlay, crown and bridge, edentulous and partial impressions.

The Sildent consists of 4 type models. These are Sildent light body, Sildent regular body, Sildent heavy body and Sildent putty.

**Indications for Use**

The Sildent is a vinyl polysiloxane silicone impression material used for all inlay, crown and bridge, edentulous and partial impressions.

**Summary of Technological Characteristics Compared to Predicate**

	Our Device				Flextime				3M ESPE			
	Sildent Light	Sildent Regular	Sildent Heavy	Sildent Putty	Light Flow	Mono phase	Heavy Tray	Easy Putty	Light Body	Regular Body	Heavy Body	STD putty
510(k) Number	N/A				K000629				K882690			
Intended Use	The Sildent is a vinyl polysiloxane silicone impression material used for all inlay, crown and bridge, edentulous and partial impressions.				Identical				Identical			
Material	Additional Polyvinyl Silicone Impression Material				Additional Polyvinyl Silicone Impression Material				Additional Polyvinyl Silicone Impression Material			
Form	Cartridge, Putty				Cartridge, Putty				Cartridge, Putty			
Standard	ISO 4823				Identical				Identical			
Sterility	Non sterile				Non sterile				Non sterile			

**Non-clinical Performance Data**

Biocompatibility study was completed, which demonstrates that the material is safe for its intended use. Sildent was tested through the following tests: Cytotoxicity(Agar Diffusion Test), Short term systemic toxicity(Oral), Oral mucosa irritation, Sensitization.

The 510(k) submission also includes data from bench testing used to evaluate performance characteristics of Sildent as compare to the predicate devices. The characteristics evaluated Dimensional Change, Elastic Recovery, Strain-in Compression, Working Time, Consistency and Mixing Time.



**Clinical Testing**

Clinical testing has not been conducted on this product.

**Conclusions**

Non clinical performance testing demonstrates that Sildent is as safe and as effective as the predicate devices.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
10903 New Hampshire Avenue  
Document Control Center - WO66-G609  
Silver Spring, MD 20993-0002

June 19, 2014

HRS Company Limited  
Jae-Hyuen Choi  
Correspondent  
Block 6 choopal industrial complex 394-1 choopal-ri  
Pyongtaek,  
KOREA, 451-805

Re: K132869  
Trade/Device Name: Sildent  
Regulation Number: 21 CFR 872.3660  
Regulation Name: Dental Impression Material  
Regulatory Class: II  
Product Code: ELW  
Dated: May 19, 2014  
Received: May 21, 2014

Dear Mr. Choi:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,

Mary S. Bunner -S  


Erin I. Keith, M.S.  
Director  
Division of Anesthesiology, General Hospital,  
Respiratory, Infection Control and  
Dental Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

### Indications for Use

510(k) Number (if known): K132869

Device Name: Sildent

### Indications for Use:

The Sildent is a vinyl polysiloxane silicone impression material used for all inlay, crown and bridge, edentulous and partial impressions.

Prescription Use ✓  
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use  
(21 CFR 801 Subpart C) -

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Sheena A. Green-S

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